BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Improvements to Roads and footpath maintenance in ward No. 05, Jakkur**

Estimated Cost : 40.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and footpath maintnance in ward No.05, Jakkur

Estimation Cost.Rs 4000000.00

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
1	KSRRB M200-12.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. Page No. 139, Item No.18.18 and Pg No.136, Item No.17.4,17.1 (5km lead =								
	Bagalur Main Road	Cum							
	For Existing Covering Slab		1	716.00	0.90	0.10	64.44		
	For Culverts Cuvlerts Slabs		12	8.00	1.80	0.20	34.56		
	Basic rate							557.00	
	Area weightage 6%							33.42	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total						**99.00**	**660.22**	**65361.78**
2	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 143/ Item No. 19.1/ PWD SR 2018-19								
	Desilting of Drains	Cum	1	716.00	0.60	0.60	257.76		
	Basic rate							130.00	
	Area weightage 6%							7.80	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total						**257.76**	**207.60**	**53510.98**
3	Removing and resetting of kerb stones (P.No.27-I.No.5.33)								
	For Kerb	M	1	716.00			716.00		
					Sub Total		**716.00**		
	Consider 20% Missing or Damaged Kerb Stone						**143.20**		
	Basic rate							99.00	
	Area weightage 6%							5.94	
	Total						**572.80**	**104.94**	**60109.63**
4	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2018-19								
	Bagalur Main Road								
	New cover slab Coaping	Cum	1X2	716.00	0.10		143.20		
	Basic rate							5309.00	
	Area weightage 6%							318.54	
	Total						**143.20**	**5627.54**	**805863.73**
5	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
	New cover slab	Sqm	1	716.00	0.90		644.40		
					Sub Total		644.40		
	Data rate							2337.00	
	Total						644.40	2337.00	1505962.80
6	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For New Culverts Slabs	Sqm	12	8.00	1.80		172.80		
					Sub Total		172.80		
	Data rate							5418.00	
	Total						172.80	5418.00	936230.40
7	Providing and fixing **pre cast solid cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)								
	Consider 20% Missing or Damaged Kerb Stone	Nos		143.20		/0.45	318		
	Basic rate							408.00	
	Area weightage 6%							24.48	
	Total						318	432.48	137624.75
8	KSRRB 800-1. **Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. Iitem no.24.1 of KPWD S.R Bangalore Circle 2018-2019)								
		Sqm	1	143.20		0.35	50.12		
	Basic rate							80.00	
	Area weightage 6%							4.80	
	Total						50.12	84.80	4250.18
								Grand Total	3568914.24
							GST Charges (12% of estimated cost)		428269.71
							Miscellenious and rounding		2816.05
								Total Amount	4000000.00
								RUPEES FORTY LAKHS ONLY	

ADMINISTRATIVE APPROVAL
Accorded For Rs. 40.00 lakhs only
Head of A/c 3296
Div. Ref. No. 108 Date 9-3-2020
AE 9/03 EE(BTP) 9/03

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019,Issue rates and Data Rates.

Technical Sanction
Accorded For Rs 40 lakhs only
Head of A/C 3296
CER NO : 302 Dt: 10.03.2020
JE (WNK)

Assistant Engineer
Ward No. 05
BBMP

Assistant Executive Engineer
Byatarayanapura Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP